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TITLE: BRAKE CALIPER

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INVENTOR-INFORMATION:

NAME

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COUNTRY

AKEBONO BRAKE RES & DEV CENTER LTD

N/A

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ABSTRACT:

PURPOSE: To obtain a brake caliper which has the slide part of a cylinder which possesses excellent cutting performance and abrasion resistance, and possesses high rigidity.

CONSTITUTION: As for a brake caliper equipped with a cylinder part 2 and a yoke part 1 which are made of light metal based composite material (a) with reinforcing components dispersed in the light metal matrices, the light metal matrix parts (b) formed in a strip form in the axial direction are formed dividedly in the circumferential direction, on the inner peripheral surface of a slide part 6 in a cylinder in which a piston slides, and/or on the inner peripheral surface of a guide pin hole for sliding a guide pin, the casting formation by the light metal basic composite material (a) is carried out. Further, the seal part 3 at the opened port end of the cylinder, bottom part 4 and the inlet part 5 for working liquid are formed from the light metal matrix (b).

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